AMENDMENT UNDER 37 C.F.R. § 1.111 Q68412
USSN: 10/074,000

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A method of managing processing resources in a mobile radio system, in which a first entity manages radio resources and corresponding processing resources, the ~~latter~~ processing resources being provided in a second entity separate from the first entity, ~~in which~~ the method comprising:

[- the] transmitting, from the second entity ~~signals~~ to the first entity, ~~its global processing capacity, or~~ a capacity credit, and [[the]] a consumption law~~, or amount of said global processing capacity, or cost, for different~~ for updating the capacity credit as a function of at least a spreading factor ~~values,~~; and

[[-]] updating at the first entity ~~updates~~ the capacity credit on the basis of the consumption law, [[and]]

[[-]] wherein in the case of a variable spreading factor and/or a variable number of spreading codes, said updating is effected on the basis of a reference spreading factor and/or a reference number of spreading codes.

2. (original): A method according to claim 1, wherein said reference spreading factor is a minimum spreading factor.

3. (original): A method according to claim 1, wherein said reference number of spreading codes is a maximum number of spreading codes.

4. (original): A method according to claim 2, wherein said minimum spreading factor has a predetermined value.

5. (currently amended): A method according to claim [[4]] 2, wherein said ~~predetermined value~~ minimum spreading factor is a function of the type of service in particular.

6. (currently amended): A method according to claim [[4]] 2, wherein said ~~predetermined value~~ minimum spreading factor is adjustable by operation and maintenance means.

7. (currently amended): A method according to claim [[4]] 2, wherein[[,]] said first entity ~~consisting of~~ corresponds to a controlling radio network controller ~~and said predetermined minimum spreading factor value being determined in a separate entity consisting of a serving radio network controller~~, and said ~~predetermined~~ minimum spreading factor ~~value~~ is signaled ~~by the SRNC~~ to the ~~CRNC~~ first entity by a separate entity corresponding to a serving radio network controller.

8. (original): A method according to claim 2, wherein said spreading factor has a calculated value.

9. (original): A method according to claim 8, wherein said calculated value is obtained from a parameter corresponding to a transport format combination set.

10. (currently amended): A method according to claim 9, wherein[[,]] said first entity ~~consisting of~~ corresponds to a controlling radio network controller, said calculated value is calculated in the ~~CRNC~~ first entity from said parameter signaled to the ~~CRNC~~ first entity by a separate entity ~~consisting of~~ corresponding to a serving radio network controller.

11. (currently amended): A method according to claim 9, wherein[[,]] said first entity ~~consisting of~~ corresponds to a controlling radio network controller, and said calculated value is signaled to the ~~CRNC~~ first entity by a separate entity ~~consisting of~~ corresponding to a serving radio network controller which calculates ~~it for itself~~ said calculated value from said parameter.

12. (currently amended): A mobile radio system ~~for implementing a method according to claim 1 in which system~~ comprising:

a first entity which manages radio resources and corresponding processing resources; and

a second entity providing the processing resources, the second entity transmitting to the first entity a capacity credit and a consumption law for updating the capacity credit as a function of at least a spreading factor;

[[-]] wherein the first entity ~~includes, in the case of a variable spreading factor and/or a variable number of spreading codes,~~ comprises means for ~~effecting said~~ updating the capacity

credit on the basis of the consumption law, wherein in the case of variable spreading factor and/or variable number of spreading codes, said updating is effected on the basis of a reference spreading factor and/or a reference number of spreading codes.

13. (currently amended): A base station controller for managing radio resources and corresponding processing resources in a mobile radio system ~~for implementing a method according to claim 1~~ including a base station providing the processing resources, said base station controller ~~including~~ comprising:

[[-]]means for receiving from a base station a capacity credit and a consumption law for updating the capacity credit as a function of at least a spreading factor; and

means for updating the capacity credit on the basis of the consumption law, wherein in the case of a variable spreading factor and/or a variable number of spreading codes, ~~means for effecting~~ said updating is effected on the basis of a reference spreading factor and/or a reference number of spreading codes.

14. (currently amended): A base station controller according to claim 13, wherein said base station controller corresponds to a controlling radio network controller, and ~~said means for effecting said updating includes~~ said base station further comprising means for receiving a ~~predetermined~~ reference spreading factor and/or a reference number of spreading codes value signaled to said base station controller, [[by]] a separate base station controller corresponding to a serving radio network controller.

15. (currently amended): A base station controller according to claim 13, ~~wherein said means for effecting said updating include~~ further comprising means for calculating a reference spreading factor value from a parameter signaled to said base station controller by a separate base station controller.

16. (currently amended): A base station controller according to claim 13, ~~wherein said means for effecting said updating include~~ further comprising means for receiving a reference spreading factor value signaled by a separate base station controller which calculates ~~it for itself~~ the reference spreading factor value.

17. (new): The method according to claim 7, wherein said minimum spreading factor is signaled in a "Radio Link Set-Up" message.

18. (new): The method according to claim 17, wherein said minimum spreading factor is signaled in an Information Element "Min UL Channelisation Code Length".

19. (new): The mobile radio system according to claim 12, wherein said first entity corresponds to a controlling radio network controller and comprises means for receiving a minimum spreading factor signaled to said first entity by a separate entity corresponding to a serving radio network controller.

20. (new): A mobile radio system according to claim 19, wherein said first entity comprises means for receiving a minimum spreading factor signaled to said controlling radio network controller by said separate entity in a "Radio Link Set-Up" message.

21. (new): A mobile radio system according to claim 20, wherein said first entity comprises means for receiving a minimum spreading factor signaled to said controlling radio network controller by said separate entity in an Information Element "Min UL Channelisation Code Length".

22. (new): A base station controller according to claim 14, comprising means for receiving a minimum spreading factor signaled to said base station controller, corresponding to a controlling radio network controller, by said separate base station controller, corresponding to a serving radio network controller, in a "Radio Link Set-Up" message.

23. (new): A base station controller according to claim 22, comprising means for receiving a minimum spreading factor signaled to said base station controller, corresponding to a controlling radio network controller, by said separate base station controller, corresponding to a serving radio network controller, in an Information Element "Min UL Channelisation Code Length".